

Amendments to the Specification:

Please amend the title of the invention as follows:

DIGITAL CAMERA WITH COMPACT IMAGE SENSOR MODULE

On page 3, please amend paragraph [0013] as follows:

[0013] The camera lens 21, which focuses an image of the object on the sensor 23, transmits an optical ~~images~~ image of the object to the sensor 23. The camera lens 21 is a non-spherical surface lens, and includes a lens part 212 and a mounting part 213. The lens part 212 and the mounting part 213 can be integrally formed using insert molding.

On pages 3-4, please amend paragraph [0015] as follows:

[0015] The image sensor 23 is used to transform optical signals to analog electrical signals, and can be made ~~from Charge-Couple~~ from Charge Coupled Device (CCD) elements or Complementary Metal-Oxide-Semiconductor ~~Transistor~~ (CMOS) elements. The image sensor 23 includes an underlay 231 and several sensitization elements 232. These sensitization elements 232 are made from semiconductor material, such as silicon, and are distributed on a surface of the image sensor 23.

On page 4, please amend paragraph [0017] as follows:

[0017] When the digital camera 10 is in operation, optical signals for the object first come into the camera lens 21 through the shutter (not shown), and are then focused on the sensitization elements 232 of the image sensor 23. At the same time the infrared noise will be eliminated by the infrared septum 22.

Second, the optical signals will be transformed to analog signals by the image sensor 23, and then will be transformed to digital signals by the DSP 30. Next, the color reproduction processing will be done by the MCU 40, including ~~automatical~~ automatic focusing, ~~automatical-exposal~~ automatic exposure and white ~~balance~~ balancing, and so on. Finally the reproduced image will be stored in the DRAM 50 or will be ~~put-out~~ output through the output apparatus 60.

On pages 4-5, please amend paragraph [0018] as follows:

[0018] The digital camera 10 in accordance with the above description can be reduced in size compared with current technology by using the non-spherical camera lens 21 and plating an infrared septum 22 directly on the ~~camera-lens' 21~~ planar surface of the camera lens 21. This arrangement allows either a lens-holding apparatus or a baseboard to be omitted. ~~And~~ Further, since the camera lens 21 with the non-spherical surface will not suffer from optical aberration, the optical capability of the digital camera will also be improved.